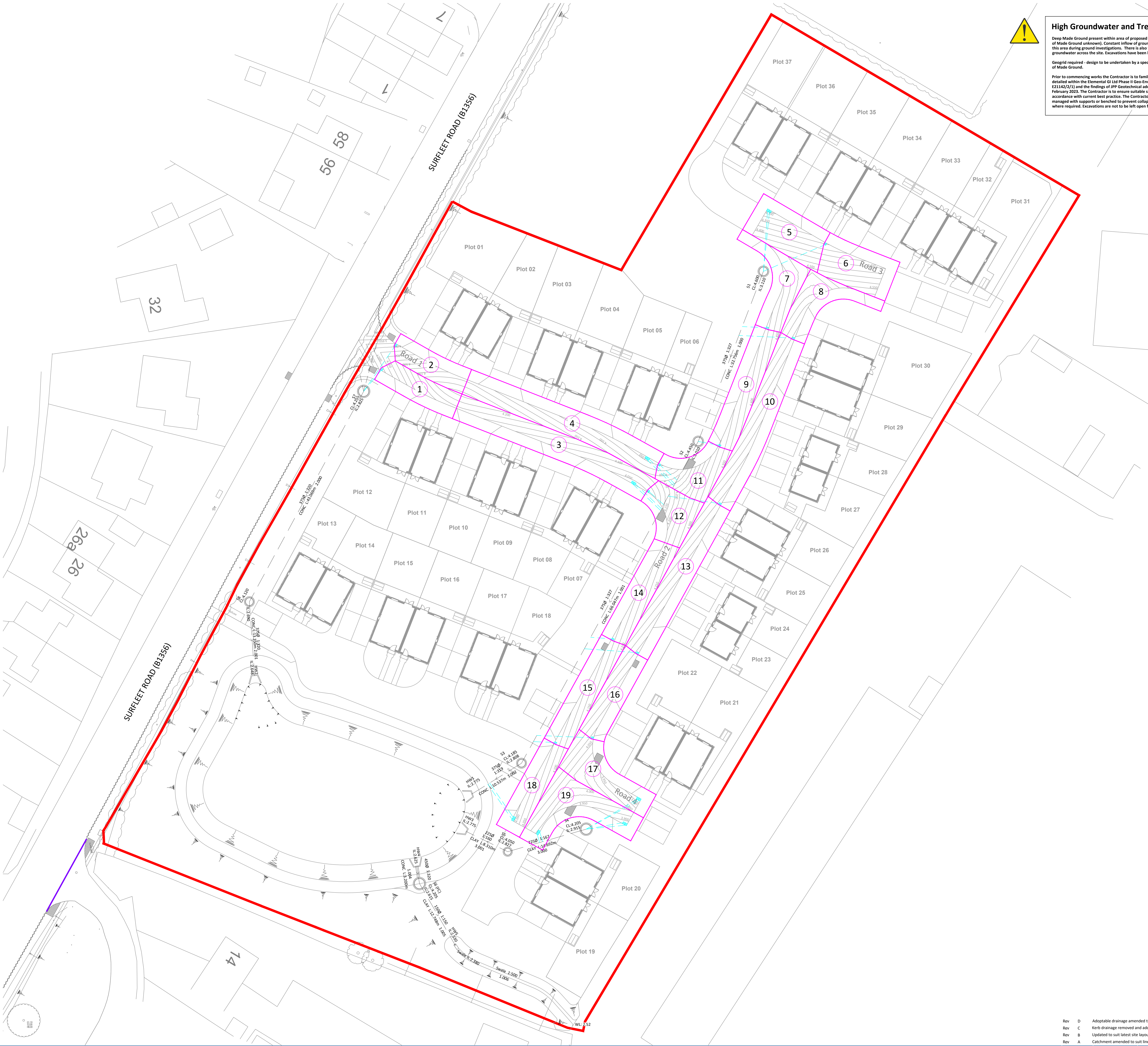




High Groundwater and Trench Instability

Deep Made Ground present within area of proposed detention basin and plots 13-22 (exact extents of Made Ground unknown). Constant inflow of groundwater and excavation collapse encountered in this area during ground investigations. There is also the risk of trench instability and high groundwater across the site. Excavations have been limited where possible by raising site levels.

Geoprint required - design to be undertaken by a specialist. Allowance to also be made for removal of Made Ground.

Prior to commencing works the Contractor is to familiarise themselves with the ground conditions detailed within the Elemental GI Ltd Phase II Geo-Environmental Investigation Report (Jan 2022, Ref: E21142/2/1) and the findings of JPP Geotechnical additional ground investigations undertaken in February 2023. The Contractor is to ensure suitable safe working practices are followed in accordance with current best practice. The Contractor is to ensure the excavations are suitably managed with supports or benched to prevent collapse, and de-watering / pump equipment in place where required. Excavations are not to be left open for long periods.

General Notes

- All dimensions are in metres unless otherwise stated.
- All levels are in metres.
- This drawing is to be read in conjunction with all relevant Engineers and Architect's drawings, Specifications, Reports and Engineering Details.
- Do not scale from this drawing.

Drawing Key

Site boundary (Taken from latest site layout referenced)

1 Catchment Area

Adoptable S38 trapped road gully

Adoptable section 104 surface water sewer

Proposed road contour

Health, safety & the environment

In accordance with the Construction (Design and Management) Regulations 2015, the designs and details on this drawing have been the subject of a Designers Risk Assessment, to identify risks in the construction, use, or demolition of the scheme.

It is not considered necessary for Designers to highlight obvious and/or common risks (such as deep excavations, manual handling and working around heavy plant) which Contractors should be familiar with, and be able to control by good management and site practice.

So far as is reasonably practicable, the risks inherent in the design have been eliminated. Where it has been considered that elimination of a risk (or part of a risk) is not reasonably practicable, it has been reduced.

This drawing has been based/developed using the following external drawings					
Type	Company	Drawing title	Date received	Rev	
Site Layout	JCA Architects	23001 1000-P02 GA Site Layout	02.05.2023	P02	
Topographical survey	EMP Surveys LTD	1021_Pinchbeck & Topographical Survey_Final	04.01.2023	POS	
Utilities and Drainage survey	Survey Solutions	48518NGUG-01 & 02	26.06.2023	B	
Agreement			Approval Granted		
S23 (Land drainage consent)			NOT APPROVED		
S104 (Adoption of sewers)			NOT APPROVED		
S278 (Works in existing highway)			NOT APPROVED		
S106 (Foul connection)			Approved 23.05.2023		

WORKS TO BE IN ACCORDANCE WITH
LINCOLNSHIRE COUNTY COUNCIL
SECTION 278 WORKS SPECIFICATION +
CONSTRUCTION - MARCH 2017

ALL ADOPTABLE DRAINAGE WORKS TO
BE IN ACCORDANCE WITH CODES FOR
ADOPTION DESIGN & CONSTRUCTION
GUIDANCE

DRAWINGS HAVE NOT BEEN APPROVED,
UNTIL THE DRAWINGS ARE APPROVED
THE DESIGNS AND DETAILS SHOWN ON
THIS DRAWING ARE SUBJECT TO
CHANGE.

ANY WORKS UNDERTAKEN PRIOR TO
TECHNICAL APPROVAL IS ENTIRELY AT
THE CONTRACTORS' RISK.

Gully Catchment Areas Table

Catchment Area	Area (m ²)
1	71
2	68
3	179
4	180
5	108
6	102
7	88
8	85
9	108
10	155
11	84
12	75
13	146
14	95
15	101
16	82
17	106
18	85
19	136
Total	2052

Gullies have been spaced to ensure
drained areas do not exceed 180m², as per
Lincolnshire County Council 'Development
Roads and Sustainable Drainage Design
Approach' guidance document

- Rev D Adoptable drainage amended to suit S104 comments.
Rev C Kerb drainage removed and added gullies
Rev B Updated to suit latest site layout
Rev A Catchment amended to suit linear drainage kerbs

- By SH Checked LC 12.09.2023
By AD Checked LC 31.05.2023
By AD Checked LC 10.05.2023
By AD Checked LC 08.03.2023

Drawn By:	AD	Client:	Burnor Construction
Chkd By:	LC	Project:	Land East of Surfleet Road Pinchbeck
Scale @ A0:	1:350	Title:	Highway Drainage Catchment Plan
Date:	May 2023		
Status:	PRELIMINARY		
Project No.:	26043	Drawing No:	113
Rev:	D		

- ☐ Northampton
4 Gosport Way, Brimsford,
Northampton, NN5 5LD
T: 01604 782811
- ☐ Warwick
Unit 12A, Warwick Innovation Centre,
Warwick Technology Park, Gallows Hill, Warwick, CV34 6JW
T: 02476 100539
- ☒ Milton Keynes
Suite 20, Pinchbeck Business Park, 23 First Avenue,
Donagh, Milton Keynes, MK1 1DX
T: 02088 889433
- ☐ Poole
Suite 8, Branscombe Park House, Branscombe Business Park,
Bosme Valley Road, Poole, Dorset, BH12 3ED
T: 01302 390888

E: mail@jppuk.net
W: jppuk.net

- Infrastructure Design
- Structural Engineering
- Development Planning
- Geotechnical & Environmental
- Surveying
- Professional Advice

